INDEPENDENT ASSURANCE
LIMITED OBSERVATION CHECKLIST

Name _____
Qualification # _____ Date _____

SLUMP OF HYDRAULIC CEMENT CONCRETE
FOP FOR AASHTO T 119

Test Performed According to Procedure?	**Yes**	**No**
1. Cone and floor or base plate dampened?	_____	_____
2. Cone held firmly against the base by standing on the two foot pieces? Cone not allowed to move in any way during filling?	_____	_____
3. Representative samples scooped into the cone?	_____	_____
4. Cone filled in three approximately equal layers (by volume), the first to a depth of 67 mm (2 5/8 in), the second to a depth of 155 mm (6 1/8 in), and the third to just over the top of the cone?	_____	_____
5. Each layer rodded throughout its depth 25 times with hemispherical end of rod, uniformly distributing strokes?	_____	_____
6. Middle and top layers rodded to just penetrate into the underlying layer?	_____	_____
7. When rodding the top layer, excess concrete kept above the mold at all times?	_____	_____
8. Concrete struck off level with top of cone using tamping rod?	_____	_____
9. Concrete removed from around the outside bottom of the cone?	_____	_____
10. Cone lifted upward 300 mm (12 in) in one smooth motion, without twisting the cone, in 5 ±2 seconds?	_____	_____
11. Slump measured to the nearest 5 mm (1/4 in) from the top of the cone to the displaced original center of the top surface of the specimen?	_____	_____
12. Test performed from start of filling through removal of the mold within 2 1/2 minutes?	_____	_____

If "No" was discrepancy corrected?	**Yes**	**No**
Date of "Split Sample" _____		

_____

_____

Signature of Examiner _____

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INDEPENDENT ASSURANCE
LIMITED OBSERVATION CHECKLIST

Name _____
Qualification # _____ Date _____

AIR CONTENT OF FRESHLY MIXED CONCRETE BY THE PRESSURE METHOD FOP FOR AASHTO T 152

Tests Performed According to Procedure?	**Yes**	**No**
1. Representative sample selected?	_____	_____
2. Dampened container filled in three equal layers, slightly overfilling the last layer?	_____	_____
3. Each layer rodded throughout its depth 25 times with hemispherical end of rod, uniformly distributing strokes?	_____	_____
4. Bottom layer rodded throughout its depth, without forcibly striking the bottom of the container?	_____	_____
5. Middle and top layers rodded, each throughout their depths and penetrating 25 mm (1 in.) into the underlying layer?	_____	_____
6. Sides of the container tapped 10 to 15 times with the mallet after rodding each layer?	_____	_____
7. Concrete struck off level with top of container using the bar or strike-off plate and rim cleaned off?	_____	_____
8. Top flange of base cleaned?	_____	_____

Using a Type B Meter:

9. Both petcocks open?	_____	_____
10. Air valve closed between air chamber and the bowl?	_____	_____
11. Inside of cover cleaned and moistened before clamping to base?	_____	_____
12. Water injected through petcock until it flows out the other petcock?	_____	_____
13. Water injection into the petcock continued while jarring and or rocking the meter to insure all air is expelled?	_____	_____
14. Air pumped up to just past initial pressure line?	_____	_____
15. A few seconds allowed for the compressed air to stabilize?	_____	_____
16. Gauge adjusted to the initial pressure?	_____	_____
17. Both petcocks closed?	_____	_____

OVER

Tests Performed According to Procedure?	**Yes**	**No**
18. Air valve opened between chamber and bowl?	_____	_____
19. The outside of bowl tapped smartly with the mallet?	_____	_____
20. Air percentage read after lightly tapping the gauge to stabilize the hand to the nearest 0.1%?	_____	_____
21. Air valve closed and then petcocks opened to release pressure before removing the cover?	_____	_____
22. Aggregate correction factor applied if required?	_____	_____
23. Air content recorded to 0.1 percent?	_____	_____

If "No" was discrepancy corrected? **Yes** **No**

Date of "Split Sample" _____

Signature of Examiner _____

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INDEPENDENT ASSURANCE
LIMITED OBSERVATION CHECKLIST

Name _____
Qualification # _____ Date _____

MAKING AND CURING CONCRETE TEST SPECIMENS IN THE FIELD
FOP FOR AASHTO T 23

Tests Performed According to Procedure?	**Yes**	**No**
1. Molds placed on a level, rigid, horizontal surface free of vibration?	_____	_____
2. Representative sample selected?	_____	_____
3. Making of specimens begun within 15 minutes of sampling?	_____	_____
4. Concrete placed in the mold, moving a scoop or trowel around the perimeter of the mold to evenly distribute the concrete as discharged?	_____	_____
5. Mold filled in equal layers, attempting to exactly fill the mold on the last layer?	_____	_____
6. Each layer rodded throughout its depth 25 times with hemispherical end of rod, uniformly distributing strokes?	_____	_____
7. Bottom layer rodded throughout its depth?	_____	_____
8. Subsequent layer(s) rodded throughout depth penetrating 25 mm (1 in.) into the underlying layer?	_____	_____
9. Sides of the mold tapped 10-15 times after rodding each layer?		
a. with mallet for reusable steel molds		
b. with the open hand for flexible light-gauge molds	_____	_____
10. Concrete struck off with tamping rod or, if necessary, finished with a trowel or float?	_____	_____
11. Specimens covered with non-absorptive, non-reactive cap or plate?	_____	_____

If "No" was discrepancy corrected?	**Yes**	**No**
Date of "Split Sample" _____		

_____

_____

_____

_____

Signature of Examiner _____

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